

Associated Leisure Products
4400 Steve Reynolds Blvd.
Norcross, GA 30093

Material Safety Data Sheet

Date Prepared: July 24, 1997
Material Name: **Aqua EZ Shock & Swim**

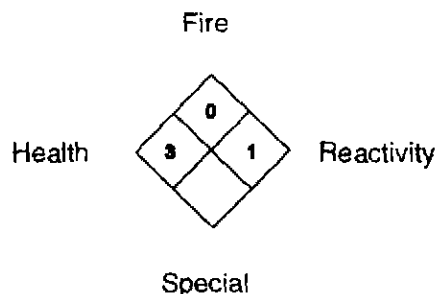
MSDS No.: 8030-A
Telephone No. (770) 381-2022

24 HOUR EMERGENCY PHONE: CHEMTREC 800-424-9300

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Manufacturer's Name: Associated Leisure Products
Manufacturer's Address: 4400 Steve Reynolds Blvd., Norcross, GA 30093
Manufacturer's Phone: (770) 381-2022
Product Name: **Aqua EZ Shock & Swim**
Synonyms: Swimming Pool & Spa Shock Treating Compound
Chemical Name: Potassium peroxymonosulfate mixture
Chemical Formula: Mixture
CAS No.: Not assigned

NFPA Hazard Ratings:



FIRE: Materials that will not burn.

HEALTH: Materials extremely hazardous to health but areas may be entered with extreme care. Full protective clothing, including self-contained breathing apparatus, coat, pants, gloves, boots, and bands around legs, arms, and waist should be provided. No skin surface should be exposed.

REACTIVITY: Materials that (in themselves) are normally stable but which may become unstable at elevated temperatures and pressures or which may react with water with some release of energy but not violently. Caution must be used in approaching the fire and applying water.

Based on the National Fire Protection Association rating system

SPECIAL:

SECTION II - COMPOSITION, INFORMATION ON INGREDIENTS

Regulated components:

CAS NO.	INGREDIENT	WT. %	OSHA PEL	ACGIH TLV
10058-23-8	Potassium peroxymonosulfate	34.4	15 mg/m ³	1 mg/m ³
7646-93-7	Potassium bisulfate	18.4	Not Established	Not established
7778-80-5	Potassium sulfate	25.6	Not Established	Not established
546-93-0	Magnesium carbonate	1.6	15 mg/m ³	5 mg/m ³
497-19-8	Sodium carbonate	20.0	Not Established	Not Established

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SECTION III - HAZARDS IDENTIFICATION

PRINCIPAL HEALTH HAZARDS, INCLUDING ACUTE AND CHRONIC EFFECTS, SIGNIFICANT ROUTES, TARGET ORGANS OR SYSTEMS AND SYMPTOMS OF OVEREXPOSURE AND MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE :

EYE: Irritant. Causes eye irritation.

SKIN: Irritant. Causes skin irritation.

INHALATION: May cause irritation of the upper respiratory passages.

INGESTION: May cause gastritis possibly progressing to necrosis or hemorrhage.

CARCINOGENICITY: None of the components present in this material at concentrations equal to or greater than 0.1% are listed as a carcinogen by NTP, IARC, ACGIH or OSHA.

SECTION IV - FIRST AID MEASURES

IN EYES: Flush with water for 15 minutes, lifting eyelids to thoroughly flush. Transport victim to an emergency facility. Do not let victim rub eyes. Get prompt medical attention.

ON SKIN: Wash with plenty of water for several minutes. If irritation develops, obtain medical help. Wash contaminated clothing before reuse. Do NOT use soap.

IF SWALLOWED: Do not induce vomiting. Immediately give 2 glasses of water. Contact physician. Never give anything by mouth to an unconscious person. Do not attempt to neutralize as this could cause further damage.

IF INHALED: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

EFFECTS OF EXPOSURE

Acute inhalation can produce eye, nose and throat irritation, sneezing, difficulty breathing, coughing, and possible bronchitis. Moist skin contact has produced an itching, burning and tingling sensation, redness and swelling. Eye contact causes mechanical and chemical irritation, pain, watering, corneal burns, conjunctivitis and risk of serious injury if eyes are kept tightly closed. Ingestion may cause irritation in the mouth, chest, and stomach, painful swallowing and stomach cramps. Warning! Other symptoms may appear from absorption of chemical into the bloodstream via the eyes.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT: Will not burn.

EXPLOSIVE LIMITS:

LEL: Not applicable

UEL: Not applicable

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EXTINGUISHING MEDIA: Water.

SPECIAL FIRE FIGHTING PROCEDURES: None

SECTION VI - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Notify safety personnel. Isolate hazard area, deny entry and stay upwind of spills. For small, dry spills, avoid excess dust generation by carefully scooping, shoveling or vacuuming up (with appropriate filter) material and placing it in a suitable container for later disposal. Area can be flushed with water. For large, dry land spills, dike around spill to contain and cover with a plastic sheet or other impermeable membrane layer to prevent leaching caused by rain or other water source. Follow applicable OSHA regulations (29 CFR 1910.1200). Use appropriate personnel protective equipment during clean up.

DISPOSAL INFORMATION: Dispose of in accordance with all applicable Federal, State and local regulations, or contact a licensed contractor for detailed recommendations.

PROTECTIVE EQUIPMENT: Chemical-type safety goggles to avoid possible splash to face or eyes and rubber or neoprene gloves.

SECTION VII - HANDLING & STORAGE

STORAGE TEMPERATURE (MIN./MAX.): Not established. Store in a cool, dry, well-ventilated area. Keep packages dry. Do not store with combustible materials.

SHELF LIFE: At least 3 years.

HANDLING & STORAGE PRECAUTIONS: Avoid breathing dust. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling.

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION

EYE PROTECTION: Chemical-type splash goggles or face shield

SKIN PROTECTION: Rubber or neoprene gloves

RESPIRATORY PROTECTION: A NIOSH/MSHA-approved air-purifying respirator with a dust/mist cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

VENTILATION: Use sufficient ventilation to keep employee exposure below recommended limits.

OTHER PROTECTIVE EQUIPMENT: If respirators are used, OSHA requires a respiratory protection program that includes training, maintenance, inspection and evaluation.

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SECTION IX - PHYSICAL & CHEMICAL PROPERTIES

PHYSICAL FORM: White granular free-flowing solid

COLOR: White

ODOR: Slightly acid

BOILING POINT: >212°F (100°C)

MELT POINT/FREEZE POINT: Decomposes

pH: 6.5 - 7.5

SOLUBILITY IN WATER: Complete

SPECIFIC GRAVITY: 1.1 - 1.4

BULK DENSITY:

VAPOR PRESSURE: Nil

VAPOR DENSITY: Not volatile

These physical data are typical values based on material tested but may vary from sample to sample. Values should not be construed as a guaranteed analysis of any specific lot or as specifications.

SECTION X - STABILITY & REACTIVITY

CHEMICAL STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITIES: Mixture of this material with compounds containing halides or active halogens can cause release of the respective halogen if moisture is present. For example, mixture with sodium dichloroisocyanurate or sodium chloride can cause release of chlorine gas; mixtures with cyanides can cause release of hydrogen cyanide gas; and heavy metal salts such as those of cobalt, nickel, copper, or manganese cause the evolution of oxygen.

DECOMPOSITION PRODUCTS: Releases oxygen gas.

SECTION XI - TOXICOLOGICAL INFORMATION

ORAL LD50 (rat): 2000 mg/Kg

INHALATION LC50 (Rat): 2300 mg/m³/2hr. caused difficulty in breathing.

DERMAL LD50 (rabbit): 11,000 mg/Kg

EYE IRRITATION (rabbit): Produced moderate irritation.

SKIN IRRITATION (rabbit): Severe skin irritant.

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This material is a severe skin and eye irritant, but is not a skin sensitizer in laboratory animals. Single inhalation exposures produced nonspecific effects such as weight loss and irritation. Repeated inhalation exposures produced eye irritation and reversible corneal damage. By ingestion, the administration of large single doses produced nonspecific effects such as weight loss and irritation as well as gastric ulceration, necrosis, and hemorrhage. The material does not produce genetic damage in bacterial cell cultures.

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicological Information:

Aquatic Toxicity

Potassium sulfate

96-hour Tlm, bluegill sunfish:

3,500 mg/L

Magnesium Carbonate

96-hour LC50, species unidentified:

>1,000 ppm

SECTION XIII - DISPOSAL CONSIDERATION

WASTE DISPOSAL METHOD: Disposal must be made in accordance with all applicable governmental regulations. At this time, no special waste disposal procedures are required for this material.

SECTION XIV - TRANSPORT INFORMATION

DOT Proper Shipping Name:

Not regulated as a hazardous material by DOT or IMO

DOT Hazard Class:

Not classified as hazardous by DOT or IMO

UN Number: Not assigned

Product RQ (lbs.): None, not hazardous.

DOT Label: None required

DOT Placard: None required

SECTION XV - REGULATORY INFORMATION

MATERIAL IS REPORTED IN EPA TSCA INVENTORY LIST?: - Yes

MATERIAL IS LISTED AS A CARCINOGEN/POTENTIAL CARCINOGEN IN FOLLOWING?:

NTP ANNUAL REPORT: No

IARC GROUP I OR II: No

OSHA 29CFR PART 1910 SUBPART Z: No

DOES PRODUCT CONTAIN A TOXIC CHEMICAL SUBJECT TO SARA TITLE III SECTION 313 REPORTING: No

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This product does contain toxic chemicals in quantities subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 732. As follows:

None

SARA TITLE III SECTION 311/312 CLASSIFICATION: None

PROPOSITION 65 - CALIFORNIA

Safe Drinking Water and Toxics Enforcement Act of 1986 (Proposition 65) - California. This act requires that the government of California develop a list of carcinogens and reproductive toxins and that no persons doing business shall knowingly expose any individual to a chemical known to the State to cause cancer or reproductive toxicity without first giving clear and reasonable warning to such an individual. **Associated Leisure Products** would like you to know that our **Shock & Swim** contains the indicated concentration(s) of chemicals which are listed by California as chemicals known to cause cancer (A), reproductive toxicity (B) or both effects (C).

Chemical	Concentration (ppm)	Listed as (A), (B), (C)
None are listed	None	None

SECTION XVI - OTHER INFORMATION

Date Revised: July 24, 1997

Sections Revised: All - new

Revised by: RWL

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